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11/16/99
jc544 U.S. PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

jc572 U.S. PTO
09/441003
11/16/99

In Re The Application of:)
John Abedor, et al)
Serial No.: NOT ASSIGNED) Examiner: Nguyen, John
Filed: Nov. 16, 1999)
Parent:)
Serial No.: 08/740,637)
Filed: October 31, 1996)
Art Unit: 2513

For: ESTIMATING TAPE PACK
RADIUS USING A KALMAN
FILTER

Cesari and McKenna, LLP
30 Rowes Wharf
Boston, MA 02110
November 16, 1999

"Express Mail" Mailing-Label Number: EL 0246 95069 US

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

TRANSMITTAL LETTER

Transmitted for filing in the United States Patent and Trademark Office are the following:

1. Continuation Application
22 pages including 12 claims and an Abstract
4 sheets of drawings
2. Copy of Declaration and Power of Attorney from Parent Application
3. Preliminary Amendment
4. Fee Transmittal
5. Utility Transmittal

6. Check in the Amount of \$ 838.00
7. Petition for Extension of Time for two months (2) for filing in the Parent Application
8. Check in the amount of \$ 380.00 for the Extension of Time.
9. Postcard

Please charge any additional fee occasioned by this paper to our Deposit Account

No. 03-1237.

Respectfully submitted,



A. Sidney Johnston

Reg. No. 29,548

CESARI AND MCKENNA, LLP

30 Rowes Wharf

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(617) 951-2500

Please type a plus sign (+) inside this box 

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No.	112008-0027C1
	First Inventor or Application Identifier	John Abedor, et al
	Title	ESTIMATING TAPE PACK RADIUS USING A KALMAN FILTER
	Express Mail Label No.	ELO24695069US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility application contents	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. ☒ *Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **22**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) [Total Sheets **4**]
4. Oath or Declaration [Total Pages **1**]
- a. ☐ Newly executed (original copy)
- b. ☒ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference *(useable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein

6. ☐ Microfiche Computer Program *(Appendix)*
7. Nucleotide and/or Amino Acid Sequence Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (Identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))
9. 37 C.F.R. § 3.73(b) Statement *(when there is an assignee)* ☒ Power of Attorney
10. English Translation Document *(if applicable)*
11. Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. Preliminary Amendment
13. Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
14. *Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
((PTO/SB/09-12))
15. Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. Other:

***NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment.

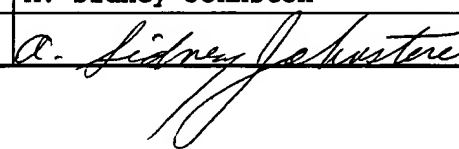
☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 8/740,637

Prior application Information: Examiner John Nguyen Group/Art Unit: 2513

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label  or ☒ Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	A. Sidney Johnston				
Address	Cesari and McKenna 30 Rows Wharf				
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Name (Print/Type)	A. Sidney Johnston	Registration No. (Attorney/Agent)	29,548
Signature		Date	November 16, 1999

U.S. PTO
09/441003

11/16/99

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$1,218.00

Complete If Known

Application Number 08/740,637

Filing Date October 31, 1996

First Named Inventor John Abedor et al

Examiner Name John Nguyen

Group / Art Unit 2513

Attorney Docket No. 112008-0027C1

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

03-1237

Deposit
Account
Name

Cesari and McKenna, LLP

- ☒ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed:

- ☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	760 201	380				Utility filing fee	760
106	310 206	155				Design filing fee	
107	480 207	240				Plant filing fee	
108	760 208	380				Reissue filing fee	
114	150 214	75				Provisional filing fee	
SUBTOTAL (1) (\$)							760

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
12	20**	0	0
Independent Claims	4	3**	1
Multiple Dependent			78

**or number previously paid, if greater; For Reissues, see below

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				78

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130 205	65				Fee Surcharge - late filing fee or oath	
127	50 227	25				Surcharge - late provisional filing fee or cover sheet	
139	130 139	130				Non-English Specification	
147	2,520 147	2,520				For filing a request for reexamination	
112	920 112	920*				Requesting publication of SIR prior to Examiner action	
113	1,840 113	1,840*				Requesting publication of SIR after Examiner action	
115	110 215	55				Extension for reply within first month	
116	380 216	190				Extension for reply within second month	380
117	870 217	435				Extension for reply within third month	
118	1,360 218	680				Extension for reply within fourth month	
128	1,850 128	925				Extension for reply within fifth month	
119	300 219	150				Notice of Appeal	
120	300 220	150				Filing a brief in support of an appeal	
121	260 221	130				Request for oral hearing	
138	1,510 138	1,510				Petition to institute a public use proceeding	
140	110 240	55				Petition to revive - unavoidable	
141	1,210 241	605				Petition to revive - unintentional	
142	1,210 242	605				Utility Issue fee (or reissue)	
143	430 243	215				Design Issue fee	
144	580 244	290				Plant Issue fee	
122	130 122	130				Petitions to the Commissioner	
123	50 123	50				Petitions related to provisional applications	
126	240 126	240				Submission of Information Disclosure Stmt	
581	40 581	40				Recording each patent assignment per property (times number of properties)	
146	760 246	380				Filing a submission after final rejection (37 CFR 1.129(a))	
149	760 249	380				For each additional invention to be examined (37 CFR 1.129(b))	
Other (specify)							
Other fee (specify)							
SUBTOTAL (3) (\$)							380

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or
Printed Name

A. Sidney Johnston

Signature

A. Sidney Johnston

Date

November 16,
1999

Complete (if applicable)

Reg. Number

29,548

Deposit Account User ID